BRUHAT BANGALORE MAHANAGAR PALIKE

Project Division, Yelahanka Zone

APPROVED SCHEDULE - B

Tender Number BBMP/2017-18/RD/WORK_INDENT26874

Tender Name Package-5

Sl No	Item Name	Unit	Estimate Quantity	Negotiated Rates quoted by R.Lokesh	
				Rate in figures	Rate in words
1	Removing B.S.Slabsand stacking etc complete.	Sqm	2591.5	68.35	Rupees Sixty Eight And Paise Thirty Five Only
2	Refixing stone slabs of drains and pointing in C.M (1:3).	Sqm	2372.65	83.78	Rupees Eighty Three And Paise Seventy Eight Only
3	Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of thorney jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications. MORTH / Chapter 2	Sqm	13056	9.92	Rupees Nine And Paise Ninety Two Only
4	Cutting of trees girth from 300mm to 600mm including cutting of trunks, branches and removal of stumps stacking of serviceable materials earth filling in the depressions / pit, labour charges complete as per specifications. MORTH specification clause 201/ Chapter 2	Each	25	208.35	Rupees Two Hundred Eight And Paise Thirty Five Only
5	Removing stumps, tree roots, roots of bamboo cluster etc., with 8.2.2 girth above 1.50 m and upto 3.00 m including excavation, stacking materials neatly and levelling area etc., complete with lead upto 50 m and all lifts.	Each	25	91.52	Rupees Ninety One And Paise Fifty Two Only
6	Dismantling Mangalore tiles roof and stacking the material within a radius of 50 meters. - - A.C. sheet roofing.	Sqm	596.17	68.35	Rupees Sixty Eight And Paise Thirty Five Only
7	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. C. Prestressed / Reinforced cement concrete grade M-20 & above.	Cum	157.7	1126.65	Rupees One Thousand One Hundred Twenty Six And Paise Sixty Five Only
8	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. iii) Dismantling Stone Masonry. A. Rubble Stone masonry in lime mortar.	Cum	284.29	225.99	Rupees Two Hundred Twenty Five And Paise Ninety Nine Only
9	Dismantling burnt brick masonry in clay mortar/lime mortar/cement mortar and stacking the bricks within a radius of 50m and removing the debris to a distance upto 200m.	Sqm	1344.14	171.97	Rupees One Hundred Seventy One And Paise Ninety Seven Only
10	Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200m (within average thickness of 15 cms).	Sqm	693.46	60.63	Rupees Sixty And Paise Sixty Three Only
11	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete asper specifications.	Cum	1821.5	90.40	Rupees Ninety And Paise Forty Only
12	Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1km and complete as per specifications.	Cum	9093.52	50.71	Rupees Fifty And Paise Seventy One Only
13	Excavation in hard rock by chiselling and / or wedging where blasting is prohibited for formation of roads including stacking to uniform line and level including cost of all labour complete as per specifications. (with all lead and lift)	Cum	48	1243.51	Rupees One Thousand Two Hundred Forty Three And Paise Fifty One Only
14	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	69.34	5562.71	Rupees Five Thousand Five Hundred Sixty Two And Paise Seventy One Only

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	Item Name	Unit	Estimate Quantity	Negotiated Rates quoted by R.Lokesh	
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15	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mmand down size graded granite metal coarse aggregates @0.0.69cum and fine aggregtes @ 0.460cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications.	Cum	100.35	6626.53	Rupees Six Thousand Six Hundred Twenty Six And Paise Fifty Three Only
16	Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.	MT	9.56	66813.16	Rupees Sixty Six Thousand Eight Hundred Thirteen And Paise Sixteen Only
17	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons.	Sqm	1356	323.00	Rupees Three Hundred Twenty Three Only
18	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete.	Sqm	689.85	1976.00	Rupees One Thousand Nine Hundred Seventy Six Only
19	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint	Sqm	1750	726.48	Rupees Seven Hundred Twenty Six And Paise Forty Eight Only
20	Providing barbed GI wire fencing of 12x12 gauge drawn into stone pillars or iron pillars including drawing in holes wherever necessary excluding the cost of pillars but including the cost of barbed wire and binding wire etc., complete.	m	2800	30.87	Rupees Thirty And Paise Eighty Seven Only
21	Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kgf/sq.cm working pressure 25mm outside diameter chemp plast / Wavin or equivalent make with pipe fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications.	m	525	120.16	Rupees One Hundred Twenty And Paise Sixteen Only
22	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications.	Sqm	756	76.07	Rupees Seventy Six And Paise Seven Only
23	Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.	Cum	78.12	4615.75	Rupees Four Thousand Six Hundred Fifteen And Paise Seventy Five Only
24	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	12.72	5998.16	Rupees Five Thousand Nine Hundred Ninety Eight And Paise Sixteen Only
25	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)	Sqm	127.2	5529.68	Rupees Five Thousand Five Hundred Twenty Nine And Paise Sixty Eight Only

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	Item Name	Unit	Estimate Quantity	Negotiated Rates quoted by R.Lokesh	
				Rate in figures	Rate in words
	Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density)	Cum	10913.2	332.92	Rupees Three Hundred Thirty Two And Paise Ninety Two Only
7	Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications	Sqm	18121.5	5.51	Rupees Five And Paise Fifty One Only
28	Construction of granular sub-base by providing close graded material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications.	Cum	4054.84	1731.87	Rupees One Thousand Seven Hundred Thirty One And Paise Eighty Seven Only
29	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications	Cum	4642.3	1838.80	Rupees One Thousand Eight Hundred Thirty Eight And Paise Eighty Only
30	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specification clause 501	Sqm	7482	3.30	Rupees Three And Paise Thirty Only
31	Providing and applying primer coat with S.S bitumen emulsion on prepared surface of granular base such as WMM including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means complete as per specifications.	Sqm	19242.2	28.66	Rupees Twenty Eight And Paise Sixty Six Only
32	Providing and applying tack coat using 80/100 grade Bitumen (VG10) on granular base such as WBM surface hot bitumen primed at 4kg per 10 sqm,heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour,HOM of machineries complete as per specifications.	Sqm	46284.8	22.46	Rupees Twenty Two And Paise Forty Six Only
33	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen	Cum	1042.84	7544.53	Rupees Seven Thousand Five Hundred Forty Four And Paise Fifty Three Only
34	Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder a and filler, transporting the hot mix to work site, laying with a paver finisher with to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 509 complete in all respects as per specifications. using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 5.4 % VG-30 Bitumen	Cum	934.05	8600.00	Rupees Eight Thousand Six Hundred Only
35	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete	Nos	2844	345.05	Rupees Three Hundred Forty Five And Paise Five Only
36	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications	Sqm	448	66.14	Rupees Sixty Six And Paise Fourteen Only

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	Item Name	Unit	Estimate Quantity	Negotiated Rates quoted by R.Lokesh	
				Rate in figures	Rate in words
	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.	Sqm	1007.85	563.00	Rupees Five Hundred Sixty Three Only
	Road markers / Road stud KSRRB M800-35. Providing and fixing of road stud 100x 100 mm, diecast in aluminium, resistant to corrosive effect of salt and grit, fitted with lense reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 complete as per specifications	Nos	465	373.71	Rupees Three Hundred Seventy Three And Paise Seventy One Only
39	Manufacturing, supply and Fixing of retro -reflection road name sign board single arrow size 1.98mx0.90m size made out if wide angle cube corner micro primatic grade sheeting confirming IRC : 67:2000 and type XI standards of ASTM D 4956-09 specification and fixed over 2mm thick allluminium sheet back support frame of stainless steel supported by 30NB 1.2mm thick stainless steel pipe all around and 65NB 1.5mm thick pipe vertical post (AISI 202 Grade) firmly fixed to the ground by means of propoerly designed foundation with M15 grade cement concrete 30cmx30cmx45cm etc. complete. The information message shall be made out of cut out letters in blue color transparent overlay film as per IRC 67:2000 guide lines , 7 years pre qualification waranty for retro reflective sheeting from the original sheeting manufacturer and a certified copy of three years outdoor exposer report from an independent test lab for the product offered shall be submitted by the contractor. The sign board shall be retro-reflective type XL including all lead and lift and as per specification and direction of the Engineer in charge of the work.	Nos	2	29380.00	Rupees Twenty Nine Thousand Three Hundred Eighty Only
40	Loading and unloading of stone boulders/stone aggregates/sand/kankar/Moorum including all lead and lift and as per specification and direction of the Engineer in charge of the work.	Cum	11852.9	70.72	Rupees Seventy And Paise Seventy Two Only
41	Cost of haulage Excluding loading and unloading including all lead and lift and as per specification and direction of the Engineer in charge of the work.	Cum	11852.8	66.55	Rupees Sixty Six And Paise Fifty Five Only

23/2/18

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